

IN THE CLAIMS:

1. (currently amended) A system for conducting a transaction with privacy on a wide area network, said system comprising:

a plurality of personal access device (PAD) devices (PADs), each PAD contained in a manually portable housing and associated with a subscriber to said system, each said manually portable PAD storing a subscriber profile of including information related to the subscriber and for generating interactive commands transmitted wirelessly;

a privacy service provider (PSP) connected to the wide area network, each said manually portable PAD being directly accessible by said PSP ~~under first conditions set by~~ based on first predetermined subscriber information that sets a first condition for automatic authorization or for manual authorization as established by the subscriber represented in said subscriber's profile for controlling the processing of requests for authorization of the transaction, and said PSP being responsive in real-time to the interactive and wirelessly transmitted commands from said manually portable PAD;

a registered vendor (RV) connected to the wide area network; and

a privacy shield network (PSN) connected to the wide area network, said RV being registered with said PSN and said PSN ~~being~~ structured to carry communications relating to the transaction between said PSP and said RV ~~related to the transaction under second conditions set by~~ based on second predetermined subscriber information that sets a second condition as established by the subscriber in said subscriber's profile for controlling the completion of the transaction.

2. (original) The system of claim 1, wherein said PAD stores private data associated with the subscriber, and wherein said PSP releases any of said private data to said RV only under said first and second conditions.

3. (original) The system of claim 2, wherein said PSP also stores said profile and said private data.

4. (original) The system of claim 1, wherein said PSP controls access by said RV to said PAD under said first and second conditions.

5. (original) The system of claim 1, wherein said PSP includes a network server.

6. (original) The system of claim 1, wherein said RV includes a network server.

7. (original) The system of claim 1, wherein said PSN includes a network server.

8. (original) The system of claim 1, wherein said PSP controls access by said RV to said profile under said second conditions.

9. (original) The system of claim 1, further comprising a second registered vendor (RV) connected to the wide area network, said PSP being accessible by said second RV under third conditions set by said profile, said second RV being accessible by the first mentioned

RV under fourth conditions set by said second RV and said first RV being accessible by said second RV under fifth conditions set by said first RV.

10. (original) The system of claim 9, wherein said second conditions include authorization conditions for authorizing the transaction among said PAD, said first RV and said second RV.

11. (original) The system of claim 10, wherein said authorization conditions include a first authorization for authorizing said second RV to complete an intermediate transaction with said first RV.

12. (original) The system of claim 11, wherein said first authorization is sent from said PSP to said second RV over said PSN, said PSN preventing said first RV from access to first authorization.

13. (original) The system of claim 1, wherein said second conditions include authorization conditions for authorizing the transaction between said PAD and said RV.

14. (original) The system of claim 13, wherein said authorization conditions control whether said first RV is authorized to request a response from said PAD.

15. (original) The system of claim 1, wherein the wide area network is the Internet.

16. (currently amended) A personal access device (PAD) associated with a subscriber for conducting a transaction with privacy on a wide area network, said PAD comprising:

a manually portable housing;

a memory for storing a profile of the subscriber;

a manually actuable command generator for generating interactive commands;

a wireless transmitter for wirelessly transmitting the interactive commands

directly to a privacy service provider (PSP) ~~from the directly accessible to the manually portable~~ PAD, with the PSP being responsive in real-time to the wirelessly transmitted interactive commands, and with the PSP being connected to the wide area network; and

a receiver for receiving authorized requests from the PSP, the PSP ~~directly~~ communicating directly with said PAD based on first predetermined subscriber information that sets a first condition for automatic authorization or for manual authorization represented as established by the subscriber in ~~under first conditions set by~~ said subscriber's profile for controlling requests for authorization of the transaction, each authorized request having been received by said PSP over a privacy shield network (PSN) connected to the wide area network from a registered vendor (RV) or another privacy service provider, the RV being registered on the PSN and communicating with the PSP based on second predetermined subscriber information that sets a second condition as established by the subscriber in ~~under second conditions set by~~ said subscriber's profile for controlling the completion of the transaction.

17. (original) The PAD of claim 16, wherein the PSP receives first requests over the PSN and determines which ones of the first requests are authorized requests under said first conditions set by said profile.

18. (original) The PAD of claim 17, wherein if the PSP determines that one of the first requests is not an authorized request, the PSP selectively responds to this first request over the PSN under second conditions set by said profile.

19. (original) The PAD of claim 16, wherein said PAD is in the form of a selected one of a key chain fob, a pen, a cellular phone, a personal digital assistant, a computer and a card.

20. (original) The PAD of claim 16, wherein said PAD stores private data associated with the subscriber, and wherein the PSP releases any of said private data to the RV only under said first and second conditions.

21. (original) The PAD of claim 20, wherein the PSP also stores said profile and said private data.

22. (currently amended) A privacy service provider (PSP) for facilitating communications between a privacy shield network (PSN) and a personal access device (PAD) associated with a subscriber to the PSN, where the PAD stores a profile of the subscriber and where said PSP and the PSN are connected to a wide area network, said PSP comprising:

a receiver for receiving interactive commands transmitted wirelessly from the PAD, wherein the PAD is contained in manually portable housing;

a server, responsive in real-time to the wirelessly transmitted interactive commands from the manually portable PAD, for communicating with a registered vendor (RV) over the PSN based on first predetermined subscriber information that sets a first condition for automatic authorization or for manual authorization ~~represented as~~ established by the subscriber in under first conditions set by said subscriber profile for controlling the completion of communications and in accordance with wirelessly transmitted interactive commands received from the PAD, said server also for receiving first requests from the RV and for determining which ones of the first requests are authorized requests based on second predetermined subscriber information that sets a second condition as established by the subscriber in under second conditions set by said subscriber profile for controlling the communications; and

a transmitter for transmitting in real-time the authorized requests to the PAD.

23. (original) The PSP of claim 22, wherein said server is for communicating with a plurality of RVs over the PSN in the same way as with the first-mentioned RV.

24. (original) The PSP of claim 22, wherein the PAD stores private data associated with the subscriber, and wherein said PSP releases any of said private data to the RV only under said first and second conditions.

25. (original) The PSP of claim 24, wherein said PSP also stores said profile and said private data.

26. (currently amended) A privacy shield network (PSN) connected to a wide area network, said PSN controlling communications among a plurality of privacy service providers (PSPs) and a plurality of registered vendors (RVs), where each PSP is directly controlled by interactive commands transmitted wirelessly in real-time from a ~~respective~~ personal access device (PAD) contained in a ~~respective~~ manually portable housing and associated with a ~~respective~~ an individual subscriber to said PSN and is further controlled under conditions set by a profile associated with each ~~the respective~~ subscriber and stored in the ~~respective~~ subscriber's PAD, said PSN comprising:

a first server structure for controlling registration of vendors as RVs, where said PSN prevents transfer of communications from unregistered vendors to any of the PSPs and RVs; and

a second server structure for controlling communications using the wide area network from any of the PSPs and RVs to any of the PSPs and RVs,

wherein said second server structure controls any communication in real-time between a first one of the PSPs and any other one of the PSPs and RVs based on first predetermined subscriber information that sets a first condition for automatic authorization or for manual authorization for controlling the processing of communications represented as established by the subscriber in ~~under conditions set by the~~ subscriber's profile stored in the PAD and controlled by the first PSP, with the real-time control of communications performed by the interactive commands transmitted wirelessly from the manually portable PAD directly accessible to each PSP.

27. (original) The PSN of claim 26, wherein said second server structure controls routing of communications from any of the PSPs and RVs to any of the PSPs and RVs over the wide area network.

28. (original) The PSN of claim 26, wherein each PAD stores private data associated with the respective subscriber, and wherein the associated PSP releases any of said private data to any of the PSPs and RVs only under said first and second conditions.

29. (original) The PSN of claim 27, wherein at least one of the PSPs also stores said profile and said private data of the respective subscriber.

30. (currently amended) A method of conducting a transaction with privacy using a privacy shield network (PSN) connected to a wide area network, said method comprising the steps of:

storing a profile of a PSN subscriber ~~to the PSN~~ in a personal access device (PAD) contained in a manually portable housing that is ~~and~~ associated with the subscriber;

generating interactive commands using the PAD;

wirelessly transmitting the interactive commands from the PAD;

directly accessing the PAD in real-time based on first predetermined subscriber information that sets a first condition for automatic authorization or for manual authorization ~~represented as established by the subscriber in under first conditions set by the subscriber~~ profile for controlling the processing of requests for authorization of the transaction using a privacy

service provider (PSP) connected to the wide area network, the PSP being controlled by the wirelessly transmitted interactive commands from the PAD;

registering a vendor with the PSN as a registered vendor (RV) connected to the wide area network; and

carrying communications between the PSP and the RV related to the transaction based on second predetermined subscriber information that sets a second condition as established by the subscriber in under second conditions set by the subscriber profile for controlling the completion of the transaction using the PSN.

31. (currently amended) A method of using a personal access device (PAD) associated with a subscriber for conducting a transaction with privacy on a wide area network, said method comprising the steps of:

storing a profile of the subscriber in a memory contained in a manually portable housing of the PAD;

generating interactive commands in the PAD;

wirelessly transmitting the interactive commands to a privacy service provider (PSP) directly accessible to the PAD and connected to the wide area network; and

receiving authorized requests from the PSP, the PSP communicating in real-time with the PAD based on first predetermined subscriber information that sets a first condition for automatic authorization or for manual authorization represented as established by the subscriber in under first conditions set by the subscriber's profile for controlling the completion of the transaction, each authorized request having been received by the PSP under the control of a privacy shield network (PSN) connected to the wide area network, the RV being registered with

the PSN and communicating with the PSP based on second predetermined subscriber information that sets a second condition as established by the subscriber in ~~under second conditions set by the~~ subscriber's profile.

32. (currently amended) A method of using a privacy shield network (PSN) connected to a wide area network to control communications among a plurality of privacy service providers (PSPs) and a plurality of registered vendors (RVs), where each PSP is directly controlled by interactive commands transmitted wirelessly from a ~~respective~~ personal access device (PAD) contained in a ~~respective~~ manually portable housing and associated with a ~~respective~~ an individual subscriber to the PSN and is further controlled ~~under conditions set by a~~ profile of the ~~respective~~ individual subscriber stored in the ~~respective~~ subscriber's PAD, said method comprising the steps of:

using a first service structure for controlling registration of vendors as RVs, where the PSN prevents transfer of communications of unregistered vendors to any of the PSPs and RVs; and

using a second server structure for controlling communications using the wide area network from any of the PSPs and RVs to any of the PSPs and RVs,

wherein the second server structure controls any communication in real-time between a first one of the PSPs and any other one of the PSPs and RVs under conditions set by the subscriber's profile, with the real-time control of communications performed by the interactive commands transmitted wirelessly from the manually portable PAD directly accessible to each PSP.

Claims 33-42 (canceled).

43. (currently amended) A system for a plurality of individual subscribers to receive and transmit communications via the Internet, the system comprising:

an XML privacy service provider (PSP) linked to the Internet for communication;

a plurality of private XML subscriber data files accessible to said PSP, each file being associated with a respective subscriber;

a subscriber-programmable personal access device (PAD) contained in a manually portable housing that provides for each subscriber to access to the respective subscriber's data file and to directly communicate ~~communicates~~ in real-time with said PSP using interactive commands transmitted wirelessly from the PAD; and

a plurality of registered vendors (RVs) linked to the Internet for communication with the subscribers under conditions set by the respective subscriber's data files through said PSP.

44. (previously presented) The system of claim 43, wherein said PSP comprises:

means for receiving communications from a subscriber;

means for transmitting a subscriber's file to that subscriber and for changing data in the subscriber's file in response to the subscriber's authorization; and

means for communicating with an RV in connection with a subscriber's file.

45. (previously presented) The system of claim 43, wherein each XML subscriber data file includes at least one of the following:

- subscriber identifying data;
- subscriber credit account data;
- subscriber cash account data;
- subscriber product preference identifiers; and
- subscriber product exclusion identifiers.

46. (previously presented) The system of claim 43, wherein each PAD comprises:

- a CPU, an operating system and a memory device;
- a battery;
- a wireless RF communication chip;
- an input/output interface; and
- an encryption key embedded in removable ROM.

47. (currently amended) A portable battery-powered personal access device (PAD) for use by a subscriber in a system for a plurality of individual subscribers that enables the subscriber to receive and transmit private personalized communications via the Internet, the system comprising:

- an XML privacy service provider (PSP) linked to the Internet for communication,
- a plurality of private XML subscriber data files accessible to the PSP, each file being associated with ~~a respective~~ an individual subscriber, said PAD ~~being for each~~ providing a

subscriber to access to that ~~the~~ respective subscriber's file and ~~communicate~~ a communications link with the PSP, and

a plurality of registered vendors (RVs) linked to the Internet for communication with the subscribers under conditions set by each of the respective subscriber's files through the PSP, said PAD comprising:

a manually portable housing;

at least one programmable integrated circuit (IC) device that includes encrypted identification means;

non-directional, short-range communication signal generation and receiving means for wirelessly transmitting interactive commands directly to the PSP in real-time;

a CPU, an operating system and a memory device; and

an input/output interface.

48. (previously presented) The PAD of claim 47, wherein said IC device is removable from said PAD.

49. (previously presented) The PAD of claim 47, wherein the encrypted identification means is a unique digital code embedded in ROM.

50. (previously presented) The PAD of claim 49, wherein said IC device is preprogrammed to disable the identification means in the event that security of the unique digital code is breached.

51. (currently amended) The PAD of claim 47, ~~further comprising a housing,~~
wherein an electronic display is visible through an aperture in said housing and the PAD includes
at least one manual actuator for controlling functions of said PAD.

52. (previously presented) The PAD of claim 51, further comprising a
microphone having an on/off switch and a voice recognition program that converts voice to
digital data for storage in said memory device.